



PATENT
Attorney Docket No.: 021385-014010US

#6

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Meikle et al.

Application No.: 09/936,957

Filed: September 17, 2001

For: DIAGNOSIS OF LYSOMAL
STORAGE DISORDERS USING
SAPOSINS AND OTHER MARKERS

Examiner: Unassigned

Art Unit: 1641

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

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TECH CENTER 1600/2900

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:


The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. Also enclosed is a copy of the International Search Report for the Corresponding PCT application. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Joe Liebeschuetz
Reg. No. 37,505

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	09/936,957
Filing Date	September 17, 2001
First Named Inventor	Meikle
Art Unit	1641
Examiner Name	Unassigned
Attorney Docket Number	021385-014010US

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

Date Considered

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¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (10-01)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

Complete if Known

Application Number	09/936,957
Filing Date	September 17, 2001
First Named Inventor	Meikle
Art Unit	1641
Examiner Name	Unassigned
Attorney Docket Number	021385-014010US

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AC	ALEXANDER et al., "5 Related Lebanese Individuals with high Plasma Lysosomal Hydrolases A New Defect in Mannose-6-Phosphate Receptor Recognition," <u>Am. J. Human Genetics</u> , 36(5):1001-1014 (1984).	
	AD	BROOKS et al., "Immunoquantification of the Low Abundance Lysosomal Enzyme N-acetylgalactosamine 4-sulphatase," <u>J. Inherited Metabolic Disease</u> , 13(1):108-120 (1990).	
	AE	GATTI et al., "Comparative Study of 15 Lysosomal Enzymes in Chorionic Villi and Cultured Amniotic Fluid Cells. Early Prenatal Diagnosis in Seven Pregnancies at Risk for Lysosomal Storage Diseases," <u>Prenatal Diagnosis</u> , 5(5):329-336 (1985).	
	AF	GRIFFITHS et al., "Plasma Acid Hydrolases in Normal Adults and Children, and in Patients with Some Lysosomal Storage Diseases," <u>Clinical Chimica Acta: Int. J. of Clinical Chemistry</u> , 90(2):129-141 (1978).	
	AG	HUA et al., "Evaluation of the Lysosome-Associated Membrane Protein LAMP-2 as a Marker for Lysosomal Storage Disorders," <u>Clinical Chemistry</u> , 44(10):2094-2102 (1998).	
	AH	KLEIMAN et al., "Sandhoff Disease in Argentina: High Frequency of a Splice Site Mutation in the HEXB Gene and Correlation Between Enzyme and DNA-Based Tests for Heterozygote Detection," <u>Human Genetics</u> , 94:279-282 (1994).	
	AI	LOVELL et al., "Biochemical and Histochemical Analysis of lysosomal Enzyme Activities in Caprine Beta-Mannosidosis," <u>Molecular and Chemical Neuropathology</u> , 21(1):61-74 (1994).	
	AJ	McCABE et al., "Preferential Inhibition of Lysosomal Beta Mannosidase by Sucrose," <u>Enzyme</u> , 43(3):137-145 (1990).	
	AK	O'BRIAN et al., "Saposin proteins: structure, function, and role in human lysosomal disorders," <u>FASEB J.</u> , 5(3):301-308 (1991).	
	AL	PRENCE et al., "Diagnosis of Alpha Mannosidosis by Measuring Alpha Mannosidase in Plasma," <u>Clinical Chemistry</u> , 38(4):501-503 (1992).	
	AM	TAGER, J.M., "Biosynthesis and deficiency of lysosomal enzymes," <u>TIBS</u> , 10(8):324-326 (1985)	
	AN	WHITLEY et al., "Long-term Outcome of Hurler Syndrome Following Bone Marrow Transplantation," <u>Am. J. Medical Genetics</u> , 46(2):209-218 (1993).	
	AO	YAMAGUCHI et al., "Improvement of Tear Lysosomal Enzyme Levels After Treatment with Bone Marrow Transplantation in a Patient with I-Cell Disease," <u>Ophthalmic Research</u> , 21(3):226-229 (1989).	
	AP	YUFENG et al., "Elevated Plasma Chitotriosidase Activity In Various Lysosomal Storage Disorders," <u>J. Inherited Metabolic Disease</u> , 18(6):717-722 (1995).	

Examiner
Signature

Date
Considered

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Total Number of Pages in This Submission

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Application Number

09/936,957

Filing Date

09/17/2001

First Named Inventor

Meikle

Group Art Unit

1641

Examiner Name

Unassigned

Attorney Docket Number

021385-014010US

ENCLOSURES (check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☐ Amendment / Response

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☒ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/
Incomplete Application

☐ Response to Missing
Parts under 37 CFR
1.52 or 1.53

☐ Assignment Papers
(for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition Routing Slip (PTO/SB/69)
and Accompanying Petition

☐ Petition to Convert to a
Provisional Application

☐ Power of Attorney, Revocation
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☐ Terminal Disclaimer

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☐ After Allowance Communication
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Appeals and Interferences

☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s)
(please identify below):

1) Sixteen (16) cited references

2) Return receipt postcard

3) INTERNATIONAL SEARCH REPORT

Remarks

The Commissioner is authorized to charge any additional fees to
Deposit Account 20-1430.

Total number of pages does not include cited references.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm
and
Individual name

Townsend and Townsend and Crew LLP

Joe Liebeschuetz

Reg No. 37,505

Signature

J. Liebeschuetz

Date

July 9, 2003

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